

PATENT COOPERATION TREATY
PCT
INTERNATIONAL SEARCH REPORT
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference S779 0016	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below
International application No. PCT/CA2004/002198	International filing date (<i>day/month/year</i>) 24 December 2004 (24-12-2004)	(Earliest) Priority date (<i>day/month/year</i>) 15 April 2004 (15-04-2004)
Applicant THE UNIVERSITY OF BRITISH COLUMBIA ET AL		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (see Box No. II).

3. ☐ **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows :

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. **1A**

☒ as suggested by the applicant.

☐ as selected by this authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/002198

A. CLASSIFICATION OF SUBJECT MATTER		
IPC ⁷ G06T 5/00 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC ⁷ G06T 5/00, G06F, G09G		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) Delphion & keywords: dynamic, range, enhancement, bit, depth, representation, conversion, saturation, region, threshold, adjustment, image, color and pixel.		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
Y	US6038576 (DIGITAL EQUIPMENT CORPORATION) 14 March 2000 (14-03-2000) column 6, lines 12 to 22 column 6, lines 56 to 67 column 7, lines 37 to 53	1, 14, 16, 19, 25, 27, 29, 31, 33 and 34.
Y	US6292168 (XEROX CORPORATION) 18 September 2001 (18-09-2001) column 4, lines 42 to 54 column 5, lines 8 to 41 column 8, lines 28 to 54	1, 12, 13, 14, 16, 27, 33 and 34
A	US6542260 (HEWLETT-PACKARD COMPANY) 1 April 2003 (01-04-2003) column 3, lines 41 to 55 column 5, lines 18 to 39	1, 12, 13, 21, 22, 33 and 34
Y	US6625324 (MUSTEK SYSTEM INC.) 23 September 2003 (23-09-2003) see whole document	1, 33 and 34
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 04 April 2005 (04-04-2005)	Date of mailing of the international search report 10 May 2005 (10-05-2005)	
Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476	Authorized officer Gilbert Jean (819) 934-5148	

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CA2004/002198

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US6038576	14-03-2000	EP0921461 A2	09-06-1999
		JP11272447 A	08-10-1999
		US6038576 A	14-03-2000
US6292168	18-09-2001	US6292168 B1	18-09-2001
US6542260	01-04-2003	DE19741359 A1	23-07-1998
		DE19816123 A1	29-04-1999
		GB2321361 A	22-07-1998
		GB2330972 A	05-05-1999
		JP10210279 A	07-08-1998
		JP11195112 A	21-07-1999
		US6542260 B1	01-04-2003
US6625324	23-09-2003	US6625324 B1	23-09-2003